

Application Number 10/018,024

Sheet of 4 sheets

**INFORMATION DISCLOSURE CITATION**  
(Use several sheets if necessary)

**JUN 19 2003**

U.S. PAT.

**Applicant(s)**  
**K. Yoshizako, et al.**

**Filing Date**  
**March 12, 2002**

### Group Art Unit

172

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

	REF	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	Translation	
							YES	NO
EGT	B1	10-140722	22-May-98	Japan	210	198.2		X
EGT	B2	WO99/61904	2-Dec-99	WIPO	210	198.2	X	
EGT	B3	WO87/06152	22-Oct-87	WIPO	210	198.2		X
	B4	<del>0-534-016</del>	<del>31-Mar-93</del>	<del>EPO</del>				
EGT	B5	6-108643	8-Dec-95	Japan	210	198.2		X

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

E6T	C1	Galaev, I., et al. "Temperature-induced displacement of proteins from dye-affinity columns using an immobilized polymeric displacer" Journal of Chromatography A, Elsevier Science B.V. 684 (1994) pages 37-43
E6T	C2	Gewehr, M., et al. "Gel permeation chromatography using porous glass beads modified with temperature-responsive polymers" Macromolecular Chemistry and Physics 193 (1992) pages 249-256

**EXAMINER**

# THE KORN

DATE CONSIDERED

July 9, 2003

**EXAMINER:** Initial if citation considered, whether or not citation is in conformance with MPEP Section 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Sheet 2 of 4 Sheets*

# INFORMATION DISCLOSURE CITATION

*(Use several sheets if necessary)*

Docket Number (Optional) <b>PL-9937</b>	Application Number <b>10/018,024</b>
Applicant(s) <b>K. Yoshizako, et al.</b>	
Filing Date <b>March 12, 2002</b>	Group Art Unit <b>1723</b>

*EXAMINER INITIAL	OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)	
EGT	C3	Hosoya, K., et al. "Temperature-Controlled High-Performance Liquid Chromatography Using a Uniformly Swollen Temperature-Responsive Polymer-Based Packing Material" Analytical Chemistry, volume 67, number 11, June 1, 1995 pages 1907-1911
EGT	C4	Yamamoto, et al. "Proc. 114th National Meeting of the Pharmaceutical Society of Japan" Tokyo, 1994, 160
EGT	C5	Kanazawa, H., et al. "Temperature-Responsive Chromatography" Yakugaku Zasshi, 117 (10-11) 1997 pages 817-824
EGT	C6	Kanazawa, H., et al. "Temperature-Responsive Chromatography Using Poly(N-isopropylacrylamide)-Modified Silica" Analytical Chemistry, 68(1) (1996) pages 100-105
EGT	C7	Kanazawa, H., et al. "Temperature-Responsive Liquid Chromatography. 2. Effects of Hydrophobic Groups in N-Isopropylacrylamide Copolymer-Modified Solica" Analytical Chemistry, 69(5) (1997) pages 823-830
EGT	C8	Kanazawa, H., et al. "Analysis of peptides and proteins by temperature-responsive chromatographic system using N-isopropylacrylamide polymer-modified columns" Journal of Pharmaceutical and Biomedical Analysis, 15(1997) pages 1545-1550
EGT	C9	Yakushiji, T., et al. "Graft Architectural Effects on Thermoresponsive Wettability Changes of Poly(N-isopropylacrylamide)-Modified Surfaces" Langmuir, 14(16) (1998) pages 4657-4662
EGT	C10	Kanazawa, H., et al. "Temperature-responsive chromatography" Trends in Analytical Chemistry, volume 17, number 7, 1998 pages 435-440
EGT	C11	Yakushiji, T., et al. "Effects of Cross-Linked Structure on Temperature-responsive Hydrophobic Interaction of Poly(N-isopropylacrylamide) Hydrogel-Modified Surfaces with Steroids" Analytical Chemistry, 71(6) (1999) pages 1125-1130

EXAMINER  <b>THEKORN</b>	DATE CONSIDERED  <b>July 9, 2003</b>
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Sheet 3 of 4 Sheets

PL-9937

Application Number

**Applicant(s)**

K. Yoshizako, et al.

**Filing Date**

**October 29, 2001**

### Group Art Unit

To be assigned

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**OTHER DOCUMENTS** (Including Author, Title, Date, Pertinent Pages, Etc.)

EGT	C1	Patent Abstracts of Japan, vol. 1997, no. 06, 30 June 1997 and JP 09 049830 A 18 February 1997
EGT	C2	Patent Abstracts of Japan, vol. 1996, no. 08, 30 August 1996 and JP 08 103653 A 23 April 1996

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# INFORMATION DISCLOSURE C ITION

(Use several sheets if necessary)

Docket Number (Optional)

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Applicant(s)

K. Yoshizako, et al.

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Group Art Unit

1723

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INITIAL

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EGT

C3

Database WPI, Section Ch, Week 199530  
Derwent Publications Ltd., London, GB;  
Class A97, AN 1995-227588  
XP002145661 and JP 07 136505 A 30 May 1995

EGT

C4

Database WPI, Section Ch, Week 199530  
Derwent Publications Ltd., London, GB;  
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EGT

C5

Galaev, I. Y., et al. "Temperature-Induced Displacement of Proteins from Dye-Affinity Columns Using an Immobilized Polymeric Displacer"  
Journal of Chromatography A, NL, Elsevier Science, volume 684, number 1, 28 October 1994, pages 37-43  
XP004174364  
ISSN: 0021-9673

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